BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name of work: Construction of toilet building for high school building at Manjunathanagara in ward No.14 T.Dasarahalli Sub division

Estimate Cost :- 20.00 Lakhs

BRUHAT BANGALORE MAHANGARA PALIKE
DASARAHALLI ZONE

Name of Work: Detailed estimate for Construction of toilet building for govt. high school building at Manjunathanagara in ward No.14 T.Dasarahalli Sub division,Dasarahalli Zone.

Est. Cost. Rs. 20.00 Lakhs

Sl. No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB-2-2.2. Earthwork excavation for foundation of buildings, water supply, sanitary, lines and electrical conduits either in pits or in trenches 1.5 m and above in width, **in hard soil** not exceeding 1.5m. in depth including dressing the bottom and and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No KBS 2.1(b) 2.3.5 **Page No. 5/ Item No. 2.4/ PWD SR 2012-13**	Cum							
	School toilet :		3	14.17	0.90	0.90	34.43		
	Long wall		3	4.37	0.90	0.90	10.62		
	Short wall		4	0.37	0.90	0.90	1.20		
			1	5.00	3.60	3.80	68.40		
	Sump tank		1	12.00	4.30	0.30	15.48		
							130.13	198.22	25795.00
	Basic Rate	187.00							
	Area Weightage 6%	11.22							
	Total	198.22							
2	KSRB 4-1.3: Providing and laying in position **plain cement concrete of mix M7.5** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 **Page No. 12/ Item No. 4.3/ PWD SR 2012-13**	Cum							
	School toilet:		3	14.17	0.9	0.15	5.74		
	Long wall		3	4.37	0.9	0.15	1.77		
	Short wall		4	0.37	0.9	0.15	0.20		
	Verandah walls		1	5	3.6	0.2	3.60		
	Sump tank								
	School toilet :		1	7	1.8	0.15	1.89		
	N/S		1	16.5	2.15	0.15	5.32		
	W/S		1	6.45	1.15	0.15	1.11		
	S/S		1	11.7	0.6	0.15	1.05		
	E/S						20.69	3812.82	78870.00
	Columns footings								
	Basic Rate	3597.00							
	Area Weightage 6%	215.82							
	Total	3812.82							

3	KSRB 5.2.3 Providing and constructing granite / trap / basalt size stone masonry in foundation in **cement mortar** 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2012-13	Cum							
	School toilet								
	Long wall		1	14.17	0.75+0.0 / 2	0.90	25.82		
	Short wall		3	4.67	0.75+0.6 / 2	0.90	8.51		
			4	0.52	0.75+0.6 / 2	0.90	1.26		
							35.60		
	Deduct column foundation qty.		6	0.75	0.75	0.90	3.04		
							32.56	2710.42	**88257.00**
	Basic Rate	2557.00							
	Area Weightage 6%	153.42							
	Total	2710.42							
4	Providing and constructing granite/trap / basalt **size stone masonry in basement** with **cement mortar** 1:6,edges of stones chistle dressed in courses not less than 15cms high, bond stones, at 2m, apart in each courses including cost of materials, labour, curing complete as per specifications.(P.22, 1-5.9)	Cum							
	School toilet :								
	Long wall		3	13.57	0.45	0.60	10.99		
	Short wall		3	5.05	0.45	0.60	4.09		
			4	1.05	0.45	0.60	1.13		
							16.22		
	Deduct column qty.		6	0.45	0.45	0.60	0.73		
							15.49	3164.10	**49003.00**
	Basic Rate	2985.00							
	Area Weightage 6%	179.10							
	Total	3164.10							
5	KSRB 4.2.3 : Providing and laying in position **reinforced cement concrete of M15** with OPC cement @ 240kgs, with **20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.6 **Page No. 13/ Item No. 4.12/ PWD SR 2012-13**	Cum							
	Coping School toilet :								
	Long wall		3	13.57	0.45	0.15	2.75		
	Short wall		3	5.05	0.45	0.15	1.02		
			4	1.05	0.45	0.15	0.28		
	Sump tank bed		1	5.00	3.60	0.15	2.70		

							6.75	4406.42	29761.00
	Basic Rate	4157.00							
	Area Weightage 6%	249.42							
	Total	4406.42							
6	KSR 15.1.1: Providing **flush pointing to square rubble, course or uncoursed stone masonary** with cement mortar **1:3**, 20mm deep, after raking joints to depth of 20mm, nicely lining, including cost of materials, labour, curing complete as per specifications. (P-120, I-15.1)	Sqm							
	School toilet :		2	13.5	0.6		16.2		
	Long wall		2	6.4	0.6		7.68		
	Short wall.						23.88	70.07	1673.00
	Basic Rate	66.10							
	Area Weightage 6%	3.97							
	Total	70.07							
7	KSRB 2.3: **Filling available excavated earth (excluding rock) in sides of foundations upto plinth** in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50m. and lift upto 1.5 m.including cost of all labour complete as per specifications. (P 6, I.-2.10)	Cum							
	Qty. is available vide item No.1						130.13	89.04	11587.00
	Basic Rate	84.00							
	Area Weightage 6%	5.04							
	Total	89.04							
8	KSRB 6-2.4: Providing and constructing **burnt brick masonry** with approved quality of non-modular bricks of standard size of class designation 75 (machine moulded) with **cement mortar 1:6** for basement and superstructure including cost of materials, labour, charges, scaffolding, curing complete as per specifications. (P-31, I 6.9)	Cum							
	School toilet:								
	Long wall		2	13.5	0.23	2.77	17.20		
	Short wall		2	5.94	0.23	2.77	7.57		
	Middle short wall		1	4.44	0.23	2.77	2.83		
	Verandah walls		4	1.04	0.23	2.77	2.65		
	Toilets : Long wall		8	1.2	0.23	2.77	6.12		
	Short wall		8	1.05	0.23	2.77	5.35		
	Urinal flat forms		2	5.13	0.75	0.23	1.77		
			2	3.69	0.75	0.23	1.27		
			2	1.8	0.75	0.23	0.62		
			2	13.5	0.23	0.45	2.79		
	Parapet wall: Long wall		2	5.94	0.23	0.45	1.23		
	Short wall		2	5	0.23	3.8	8.74		
	Sump tank : Long wall		2	3.14	0.23	3.8	5.49		
	Short wall						63.63		
	Deductions :		2	1	0.23	2.10	0.97		
	Wood Doors		8	0.75	0.23	2.10	2.90		
	PVC Doors		2	1.05	0.23	2.10	1.01		
	Openings		4	1.8	0.23	0.60	0.99		
	Windows		2	1.5	0.23	0.60	0.41		
			8	0.75	0.23	0.60	0.83		

								7.11		
	Basic Rate	8242.00						56.52	8736.52	493789.00
	Area Weightage 6%	494.52								
	Total	8736.52								
9	KSR 4.2.2 : Providing and laying in **position reinforced cement concrete of M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459cum super plastisiser @3ltrs confirming to IS9103-1999 Reaffirmed-2008,machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase,lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.6 **Page No. 13/ Item No. 4.11/ PWD SR 2012-13**	Cum								
	School toilet:									
	Long wall		2	13.5	0.23	0.23	1.43			
	Short wall		2	5.94	0.23	0.23	0.63			
	Middle short wall		1	4.44	0.23	0.23	0.23			
	Verandah walls		4	1.04	0.23	0.23	0.22			
	Toilets: Long wall		8	1.2	0.23	0.23	0.51			
	Short wall		8	1.05	0.23	0.23	0.44			
	Sump tank		1	5	3.6	0.15	2.70			
	Columns		6	0.46	0.23	3.45	2.19			
	Beams : Long wall		3	13.5	0.23	0.23	2.14			
	Short wall		2	5.94	0.23	0.23	0.63			
	Middle short wall		1	4.44	0.23	0.23	0.23			
	Roof slab		1	13.5	7	0.15	14.18			
	Sump tank roof slab		1	5	3.6	0.15	2.70			
	School toilet set :									
	N/S		1	7	1.8	0.1	1.26			
	W/S		1	16.5	2.15	0.1	3.55			
	S/S		1	6.45	1.15	0.1	0.74			
	E/S		1	11.7	0.6	0.1	0.70			
								34.49	5142.06	177329.00
	Basic Rate	4851.00								
	Area Weightage 6%	291.06								
	Total	5142.06								
10	KSRB 4.9.2. providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.46/ PWD SR 2012-13**	q								
	Qty vide item no.9			Cum		kgs/Cum				
	Footing,Columns,beams& Lintel & Roof			34.49		120	41.38	7187.86	297456.00	
	Basic Rate	6781.00								

	Area Weightage 6%	406.86							
	Total	**7187.86**							
11	Providing and removing centering, shuttering, struting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specifications.(P-17, I-4.33)	Sqm							
	Columns		6	1.36	3.45	-	28.15		
	Beam : Long wall		3	0.46	13.5		18.63		
	Short wall		2	0.46	5.94	-	5.46		
	Middle short wall		1	0.46	4.44	-	2.04		
	Roof slab		1	13.5	7		94.50		
	Sides all-round		1	41	0.15		6.15		
	Lintel Beams:								
	school toilet								
	long wall		2	13.5	0.46	-	12.42		
	Short wall		2	5.94	0.46	-	5.46		
	Middle short wall		1	4.44	0.46	-	2.04		
	Verandah walls		4	1.04	0.46	-	1.91		
	Toilets: Long wall		8	1.2	0.46		4.42		
	Short wall		8	1.05	0.46	-	3.86		
	Sump tank roof		1	5	3.14	-	15.70		
	Sump tank sides alround		1	17.2	0.15		2.58		
							203.34	702.78	**142903.00**
	Basic Rate	663.00							
	Area Weightage 6%	39.78							
	Total	**702.78**							
12	KSRB 9.4-2 : Providing **Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled** including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. (P-55,I-9.11)	Cum							
	School toilet:								
	Doors		2x2	0.125	0.075	1.35	0.051		
			2x2	0.125	0.075	2.1	0.079		
	School toilet:								
	Ventilators		4x2	0.1	0.075	2.1	0.126		
			4x3	0.1	0.075	0.6	0.054		
			2x2	0.1	0.075	1.8	0.054		
			2x3	0.1	0.075	0.6	0.027		
			8x2	0.1	0.075	1.05	0.126		
			8x2	0.1	0.075	0.6	0.072		
							0.508	75699.90	**44540.00**
	Basic Rate	71415.00							
	Area Weightage 6%	4284.90							
	Total	**75699.90**							
13	KSRB 7.9: **Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm** using M.S.flats, or M.S.square rods, or combination of M.S.flatsand square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.(P-37, I-7.9)	**Kgs**							
	Qty. required ventilators,		1	9.72		21	204.12	92.22	**18824.00**

	Basic Rate	87.00							
	Area Weightage 6%	5.22							
	Total	**92.22**							
14	KSRB 9-5.3: Providing and fixing in position fully panelled **Honne wood shutters** for doors, styles and rails of **25mm**.thick with bottom and lock rails 180mm wide top rail and styles **100mm** wide as per drawing and panels of **25mm** thick including cost of materials, labour, HOM of machineries complete as per specifications (excluding cost of fixtures) (P-50, I-9.18)	**Sqm**							
			2	1.05	2.10	-	4.41	3015.70	**13299.00**
	School toilet : Doors								
	Basic Rate	2845.00							
	Area Weightage 6%	170.70							
	Total	**3015.70**							
15	KSRB 9-25.2: Providing and fixing in position **fully glazed shutters for ventilators side hung or central pivoted with Honne wood styles and rails** of 30mm. thick, 50mm wide and central divider of 30mm. wide, 3mm thick reded glass fixed with wooden beading of size 10mm wide flushed to the thickness of the frame including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) (P-61, I-9.75)	**Sqm**							
	School toilet								
	Windows		4	1.8	0.6	-	4.32		
			2	1.5	0.6		1.80		
			8	0.75	0.6	-	3.60		
							9.72	2993.44	**29096.00**
	Basic Rate	**2824.00**							
	Area Weightage 6%	169.44							
	Total	**2993.44**							
16	Providing **15mm** thick cement **plaster in single coat with cement mortar 1:3**, to **brick masonry** including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P-129, I-15.12)	**Cum**							
	Outside plastering								
	School toilet;								
	Long wall		2	13.5	4.13		111.51		
	Short wall		2	4.9	4.13		40.47		
	Verandah		6	1.5	3	-	27.00		
	Drop		1	10.5	0.6	-	6.30		
	Out side ceiling		1	13.5	1.35	-	18.23		
							203.51		
	Deductions: Doors		2	1.05	2.1	-	4.41		
	Windows		4	1.8	0.6	-	4.32		
			2	1.5	0.6	-	1.80		
			8	0.75	0.6	-	3.60		
							14.13		
	Basic Rate	149.00				Total	**189.38**	**157.94**	**29911.00**
	Area Weightage 6%	8.94							
	Total	**157.94**							

17	Providing **18mm** thick cement **plaster in single coat with cement mortar 1:3** to **brick masonry** including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P-129, I-15.15)	Sqm							
	Inside plastering								
	School toilet:								
	Long wall		2x2	6.4	3	-	76.80		
	Short wall		2x2	4.44	3		53.28		
	Verandah		2x4	1.5	3	-	36.00		
	Toilets: long wall		16	1.2	2.77	-	53.18		
	Short wall		16	1.05	2.77	-	46.54		
							265.80		
	Deductions :								
	Wood Doors		1x2	1.05	2.1	-	4.41		
	PVC Doors		2x8	0.75	2.1	-	25.20		
	Openings		1x2	1.05	2.1	-	4.41		
	Ventilators		1x4	1.8	0.6	-	4.32		
			1x2	1.5	0.6	-	1.80		
			1x8	0.75	0.6	-	3.60		
							43.74		
	Basic Rate	177.00				Total	222.06	**187.62**	**41663.00**
	Area Weightage 6%	10.62							
	Total	**187.62**							
18	Providing **12mm** thick cement **plaster in single coat with cement mortar 1:3**, to **ceiling** including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P-121, I-5.21)	**Sqm**							
	School toilet								
	Verandah		2.00	6.40	4.44	-	56.83		
			2.00	1.50	1.50	-	4.50		
			1.00	10.50	1.50	-	15.75		
							77.08	**147.34**	**11357.00**
	Basic Rate	139.00							
	Area Weightage 6%	8.34							
	Total	**147.34**							
19	KSRB 15-7 : Providing **lime rendering for plastering** to wall and ceiling, including cost of materials, labour, curing complete as per specifications.(P-122,I-15.33)	**Sqm**							
				Qty. vide Item no.17&18			299.14	**16.75**	**5010.00**
	Basic Rate	15.80							
	Area Weightage 6%	0.95							
	Total	**16.75**							
20	KSRB 15.10.1: providing **white washing** to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.(P-122, I-15.38)	**Sqm**							
	Basic Rate	5.50		Qty. vide Item no.16			189.38	**5.83**	**1104.00**
	Area Weightage 6%	0.33							
	Total	**5.83**							

21	KSRB 15-16.1: **Providing and finishing external walls in two coats with primer cement paint** of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour complete as per specifications (P-125, I-15.53.2)	**Sqm**						189.38	**65.72**	**12446.00**
				Qty. vide item no 20						
	Basic Rate	62.00								
	Area Weightage 6%	3.72								
	Total	**65.72**								
22	KSRB 15-14.1: Providing and applying two coats with **oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications(P-124, I-15.49.1)	**Sqm**						299.14	**53.00**	**15855.00**
				Qty vide item no 19						
	Basic Rate	50.00								
	Area Weightage 6%	3.00								
	Total	**53.00**								
23	KSRB 15-17.5 Applying priming **coat over new wood surface** and / or wood based surface after preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand preparing and knotting liquid wood filler, for varnish including cost of materials, labour complete as per specifications.(P-126,I-15.59)	**Sqm**								
	School toilet:									
	Doors		2	1.30	2x1.05	2.10	11.47			
	Ventilators		4	1.00	2x1.80	0.60	8.64			
			2	1.00	2x1.50	0.60	3.60			
			8	1.00	2x0.75	0.60	7.20			
							30.91	**27.14**	**839.00**	
	Basic Rate	25.60								
	Area Weightage 6%	1.54								
	Total	**27.14**								
24	KSRB 15-17.6: Providing and applying painting **two coats** (excluding priming coat) **on new wood surface** and / or wood based surface **with enamel paint** to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour complete as per specifications.(P-126 I-15.60.1)	**Sqm**								
				Qty vide Item No.23			30.91	**75.26**	**2326.00**	
	Basic Rate	71.00								
	Area Weightage 6%	4.26								
	Total	**75.26**								
25	KSRB4-5: Providing **lath plaster with cement mortar 1:3, 5cms thick with 6mm dia mild steel bars at 20cms. C to C both horizontally and vertically** fixing chicken mesh for drop chajja, facia, backing to cup boards including cost od all materials, labour, providing and removing form work HOM of machineries, curing, complete as per specifications.(P-16, I-4.27)									

			1	10	-	-	10		
	From Bore well to sump tank		1	16	-	-	16		
	For W.C to Inspection chamber		1	16	-	-	16		
	Staff toilet :								
	From hand wash basin to chamber		1	18	-	-	18		
	School toilet rain water pipes		2	3.6	-	-	7.2		
	Staff toilet rain water pipes		2	3.6			7.2		
	School toilet urinals channel pipe		2	20	-	-	40		
	Staff toilet urinals channel pipe		1	6.5	-	-	6.5		
	Basic Rate	558.00					176.90	**591.48**	**104633.00**
	Area Weightage 6%	33.48							
	Total	**591.48**							
31	Providing and fixing **chlorinated poly Venyl chloride (CPVC) pipes** conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) (P104, I-13.86.2 &13.86.3)	m							
	a) 25mm dia pipe		1	98.00			98.00	**222.60**	**21815.00**
	Basic Rate	150.00							
	Area Weightage 6%	9.00							
	Total	**159.00**							
32	Providing and fixing 30mm thick factory made **rigid foam Prelam Paneled Door Shutters** made from M.S tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat **moulded Prelaminated PVC** Channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheetsas gap insert for top rail & bottom rail, paneling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S frame, sealed to the styles & rails with PVC Designer beadingon either side & joined together with solvent cement adhesive etc., complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3No'sof 75mm Aluminium hings.(P-62, I-9.85.1)	**Sqm**							
	School toilet		8	0.75	2.1	-	12.60	**2716.78**	**34231.00**
	Basic Rate	2563.00							
	Area Weightage 6%	153.78							
	Total	**2716.78**							

	School toilet Drop		1	10.50	0.60	-	6.30	817.26	5149.00
	Basic Rate	771.00							
	Area Weightage 6%	46.26							
	Total	**817.26**							
26	KS 11-3: Providing and fixing **white vitreous china clay, water closet Indian type (squatting pan)** of size 580mm with footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.(P-76, I- 12.3)	**each**							
	Qty required is		8				8	968.84	7751.00
	Basic Rate	914.00							
	Area Weightage 6%	54.84							
	Total	**968.84**							
27	KSRB 13-11.1: Providing and placing on terrace, **polyethylene water storage tanks** with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity)(P-102, I-13.78)	**Nos**							
	Qty required		2				2	6838.06	13676.00
	Basic Rate	6451.00							
	Area Weightage 6%	387.06							
	Total	**6838.06**							
28	KSRB 12-8.1:constructing brick masonry **inspection chamber** of size **600x600mm,and 450mm** depth, (clear inside dimension)for single pipeline, using table moulded non-modular bricks of class designation 50 in cement motar1:5, C.I cover with frame (light duty) 600x600mm.(P-74, I-11.50.1)	**Nos**							
	Qty. required is16 No's		16				16	7027.80	112445.00
	Basic Rate	6630.00							
	Area Weightage 6%	397.80							
	Total	**7027.80**							
29	Providing **white vitreous china clay Indian pattern squatting urinals with white glazed foot rests** of approved quality and make conforming to ISI specifications and fixing in position with CC 1:2:4 as directed of size 50.8cmsx38cms10.16 cms-A Grade (Rate includes cost of all materials and conveyance to work spot).(P-91, I-12.110)	**each**							
	Qty required		10				10	975.20	9752.00
	Basic Rate	920.00							
	Area Weightage 6%	55.20							
	Total	**975.20**							
30	KSRB 13-9.7:**Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kg/sq.cm working** pressure 110mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications (P-101, I-13.73.4)	**m**							
	School toilet								
	From SWD to big toilet chamber		1	36	-	-	36		
	From school bgs to toilet		1	20			20		

33	KSRB 4-1.3: Providing and laying in position **plain cement concrete of mix M7.5** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 **Page No. 12/ Item No. 4.3/ PWD SR 2012-13**	Cum.							
	N/S		1	7	1.8	0.15	1.89		
	W/S		1	16.5	2.15	0.15	5.32		
	S/S		1	6.45	1.15	0.15	1.11		
	E/S		1	11.7	0.6	0.15	1.05		
							9.38	3812.82	35752.00
	Basic Rate	3597.00							
	Area Weightage 6%	215.82							
	Total	3812.82							
34	KSRB 4.2.2 : Providing and laying in **position reinforced cement concrete of M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459cum super plastisiser @3ltrs confirming to IS9103-1999 Reaffirmed-2008,machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase,lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or bacng courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.6 **Page No. 13/ Item No. 4.11/ PWD SR 2012-13**	Cum							
	N/S		1	7.00	1.00	0.10	1.26		
	W/S		1	16.50	2.15	0.10	3.55		
	S/S		1	6.45	1.15	0.10	0.74		
	E/S		1	11.00	0.60	0.10	0.66		
							6.21	5142.06	31928.00
	Basic Rate	4851.00							
	Area Weightage 6%	291.06							
	Total	5142.06							
35	Miscellaneous and unforeseen charges								175.00
							Grand Total		2,000,000.00

ನಂ. EE/DD/TS/4469/12-13 ದಿನಾಂಕ : 16/02/13
ರೂ. 20.00 Lakhs (Rupees Twenty lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಲಾಗಿದೆ 16/2

ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ಬೆಂಗಳೂರು

Rupees Twenty Lakhs Only

20,9796.00

Cons - 9796.00

CERTIFICATE:-

1. The Work spot has been inspected and the work is found to be necessary
2. The Estimate is prepared as per the PW,P & IWTD -SR-2012-13
3. The Provision made in estimate are adequate and essential.
4. This area comes under BBMP limits

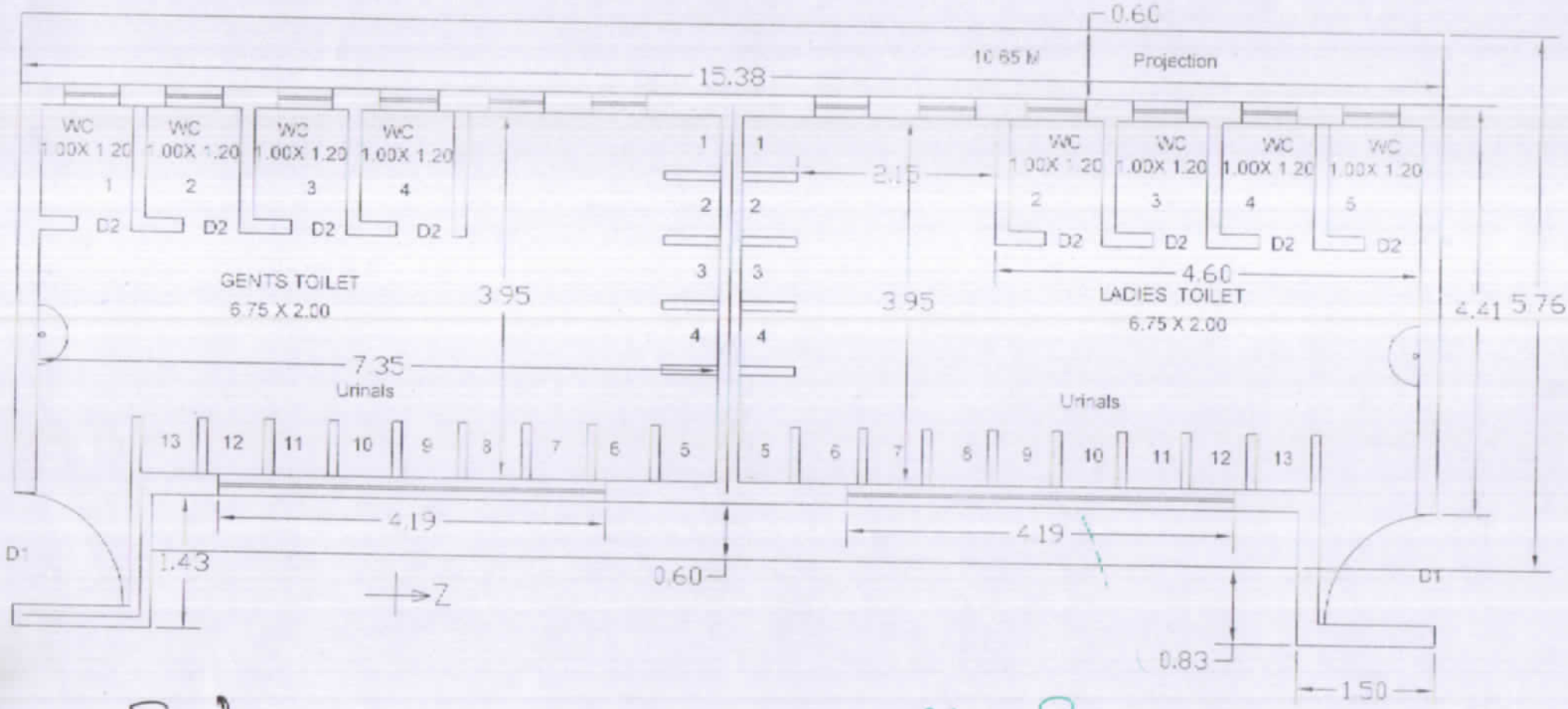
ನಂ. ಕಾ(ದಾ) AS 669/12-13 A/S Dated: 14/02/13
20.00 lakhs (Rupees Twenty lakhs only)
Page No. 115

Assistant Engineer
ward-14

Asst. Exe. Engineer
T.Dasarahalli Sub-Division
B.B.M.P

Exeutive Engineer
Dasarahalli Division
B.B.M.P

Construction of Toilet Block at High School in Manjunathanagara in Ward no.14, T-Dasarahalli Sub division



ವಿಭಾಗೀಯ ಕಾರ್ಯಪಾಲಕ ಅಧಿಕಾರಿಯವರು
ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಸಣ್ಣಗುಂಡಿ, ಬೆಂಗಳೂರು - 560 073.